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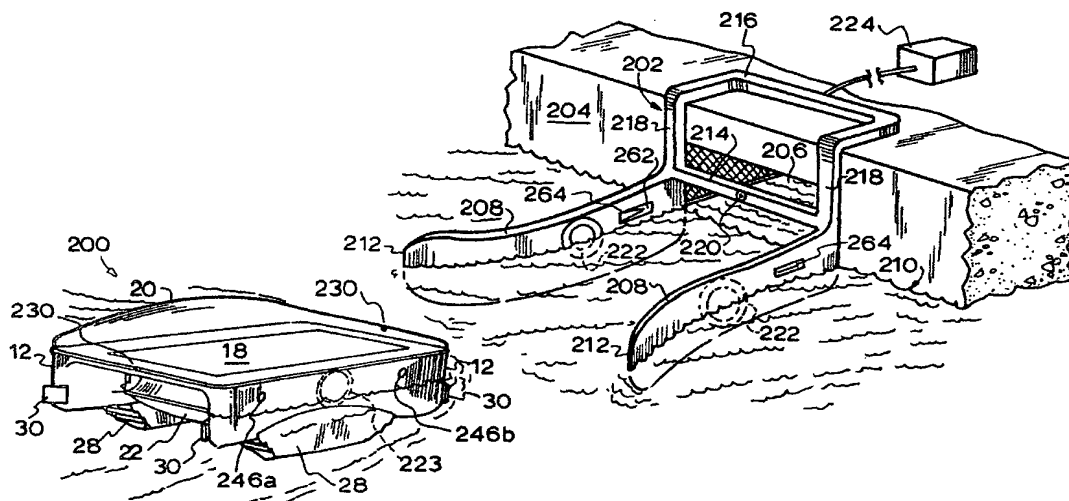
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- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DUAL DIRECTION WATER SURFACE SKIMMER AND POOL SIDE DOCKING DEVICE.



(57) Abstract: A water skimmer vessel has two hulls (12, 14) between which a debris collection net or basket-like catcher (22) is arranged. Hinged flaps (68) are provided at each end of the catcher and operate to allow inflow but block outflow of debris from the catcher. Each hull of the vessel is equipped with amoter covered by a guard (28). The vessel may move in either direction and is equipped with sensors (30) on each hull for effecting the turning and reversing of the vessel upon contact with pool skimmer box inlet (206) and the vessel can be controlled to enter the dock and permit the contents of the catcher to be discharged into the current of pool water flowing into the skimmer box.

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00399

**A. CLASSIFICATION OF SUBJECT MATTER**Int. Cl. <sup>7</sup>: E04H 4/16 B63B 35/32 E02B 15/10

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

SEE ELECTRONIC DATABASES CONSULTED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

AU IPC: E04H 3/20 4/14, 4/16 B63B 35/00, 35/32 E02B 15/00, 15/10 US CLASS: 210/169 and 210/91

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)


DWPI JAPIO: skim collect extract remove clean clear water pool reservoir lake debris rubbish detris refuse leaves leaf litter insect oil ash power energy propel propulsion move drive traverse vessel boat pod float barge flap hinge lid cover gate dock berth discharge solar self battery automate E04H E02B B63B C02F

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 1516790 A (MITSUBISHI JUKOGYO KABUSHIKI KAISHA) 5 July 1978 Figure 1	
A	AU 13193/88 A (MAXEY) 15 September 1988 Figures	
A	US 4900432 A (ARNOLD et al) 13 February 1990 Figures 4 and 5	

☒ Further documents are listed in the continuation of Box C☒ See patent family annex

* Special categories of cited documents:	
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"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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12 May 2003Date of mailing of the international search report  
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## INTERNATIONAL SEARCH REPORT

International application No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5106492 A (DISTINTI et al) 21 April 1992 Figure 2	
A	JP 05-208187 A (HARA HEALTH KOGYO KK) 20 August 1993 Figures 2 and 14	
A	FR 2791947 A3 (CHANTANT et al) 13 October 2000 Figure 1	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/00399

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
GB	1516790	AU	26761/77	BR	7704443
		US	4128068	JP	53-008982
AU	13193/88	NO	FAMILY		
US	4900432	NO	FAMILY		
US	5106492	NO	FAMILY		
JP	05-208187	NO	FAMILY		
FR	2791947	NO	FAMILY		
END OF ANNEX					